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Calenzano Community space

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DIDA, the Department of Architecture of the University of Florence, performed an open and public analysis and evaluation of the scientific research carried out during the first five years of activity since its establishment, in order to define its research strategies, their relationship with the 2nd and 3rd cycle education, the role of experimental research and the system of labs at DIDA (DIDALABS), as well as the role of research units and interuniversity research centers.

The aim of the DIDA Research Week Book 2018 is to communicate the results of such research, in all the aspects which were carried out at DIDA during its first five years of activity.

DIDA RESEARCH WEEK **BOOK 2018**

A walk through
the research
paths of the
Department of
Architecture
of Florence

DIDA RESEARCH WEEK **BOOK** 2018

ISBN 978-88-3338-062-9



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DIDA RESEARCH WEEK BOOK 2018

A walk through the research
paths of the Department of
Architecture of Florence





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DIDA
DIPARTIMENTO DI
ARCHITETTURA

graphic design

didacommunicationlab

Dipartimento di Architettura
Università degli Studi di Firenze

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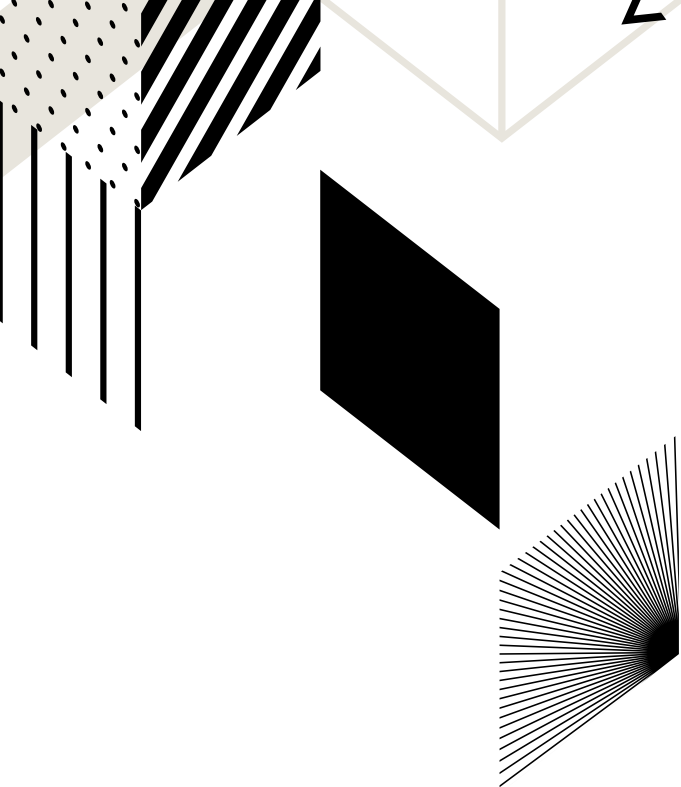


In February 2018, the Department of Architecture of the University of Florence (DIDA) promoted an open and public analysis and evaluation of the research carried out by the Department during its first five years of existence in order to define its strategy, the relationship with third and second cycle education, the role of experimental research and the DIDA-LABS laboratory system, as well as of research units and inter-university research centers.

The objective of the DIDA Research Week, through the documentation, communication and evaluation of the activities carried out by the Department in national and international research projects or in individual or exploratory projects, is an analysis and an in-depth reflection on the research activities at all levels carried out during the first five years of the Department: a wide and transparent reflection which communicates what the research carried out by DIDA is in all its different forms, calling the most qualified colleagues in Florence, Italy and abroad to discuss and to evaluate it and to contribute to the identification of future goals, strategies and actions.

The transparency strategy in scientific communication developed by the Department plays a central role not only concerning the dissemination of knowledge but above all for the effective evaluation by the entire scientific community, certainly more effective than the current assessment procedures. The increasingly international dimension of research and education requires the maximum possible transparency and accessibility of research results.

The Department's commitment to supporting scientific journals, the DIDAPress publishing, the Communication Laboratory and the first DIDA Research Week itself aims to meet this need.



**DIDA RESEARCH WEEK 5 YEARS OF RESEARCH BY THE DEPARTMENT DIDA 2013-2017:
AN ASSESSMENT FOR THE FUTURE PROGRAM.**

19-23 February 2017

Santa Teresa, via della Mattonaia 8, 50121 Florence

Monday 19 February

Disciplinary research

Interdisciplinary and multidisciplinary research

Tuesday, February 20

Competitive research, horizon 2020, industrial research, design research,
research for the third mission

Research communication, magazines and scientific publishing

Wednesday 21 February

The Ph.D. Course in Architecture

Thursday 22 February

Research, training and profession. DIDALABS, Research Units and Research Centers

Applied research experiences

Round table: Research, training, profession: DIDA Open perspectives

Friday 23 February

Research, training and profession in the design area:
scenarios and strategies for the design and project area

An abstract geometric composition featuring a variety of black, white, and grey shapes. The design includes several triangles of different sizes and orientations, some with internal patterns like dots or lines. There are also circles, some overlapping, and a series of parallel lines. The overall effect is a complex, layered geometric pattern.

TABLE OF CONTENTS

INTRO

DIDA Research Week. Overview of DIDA research environment from 2013 up to 2018	15
Saverio Mecca	
Map 1 Research Map	18

DIDA RESEARCH STRATEGY | A general view

Projects and relations between fields of knowledge	23
Giuseppe Lotti	
Towards an innovative doctorate	27
Giuseppe De Luca	
Didalabs. Clusters and applied research	31
Giorgio Verdiani	
Map 2 DIDA labs. Inside Research	34
Understanding research through communication. Concept, methodologies and tools of DRW	37
Susanna Cerri	
Setting Connections. Inter-university Centres	41
Roberto Bologna, Paola Gallo	
Map 3 Internationalisation of research	44

DIDA RESEARCH MAP | 2013-2018

DIDA Research Systems

Inter-university centres ABITA_CIST_TESIS	57
ABITA	
TESIS	

Laboratories

A&P - Architecture & Project cluster

Architecture and Auto-construction LAA	
Prato Laboratory Laboratorioprato	
Technologies for the Mediterranean Area Laboratory TAM Lab	
Theatre Architecture Laboratory TEARC Lab	
Urban Design Laboratory UD	
AHCV - Architectural Heritage Conservation and Valorisation cluster	113
Architectural Heritage Restoration and Conservation LARC	
Architectural Survey Laboratory LRA architecturalsurveylab	
Cultural Heritage Management Laboratory CHM_Lab	
Heritage City Laboratory Heritage City_Lab	
Materials and Structures Testing Laboratory LPMS	

DSI - Design and Sustainable Innovation cluster	143
Communication Laboratory didacommunicationlab	
Design for Kids	
Italian Design for the train DIT lab	
Ergonomics & Design Laboratory LED	
Modelling Laboratory for Design LMD lab	
Multimedia Architecture Interaction Laboratory mailab	
Reverse Engineering Interaction design Rei Lab	
Sustainable Design Laboratory sustainabilitylab	
ICT - Information Communication Technologies cluster	189
Informatic Laboratory of Architecture informaticlab - LiA	
Cartography Laboratory LCart	
Photography Laboratory LfA	
Architectural Model Laboratory LMA	
Architecture Video Laboratory VI.D.A. lab	
TEL - Territories, Ecosystems and Landscapes cluster	205
Critical Planning & Design	
Laboratory of Sociological Research on Design, Architecture and Planning LabSo	
Landscape Design Lab	
Laboratory of Ecological Design of Settlements LaPEI	
Plans and Projects for the City and the Territory PPCT	
Regional Design Lab	
PhD Programs	241
Architectural and Environmental Survey and Representation	
Design	
History of Architecture and the City	
Landscape Architecture	
Technology of Architecture	
Urban and Regional Planning and Design	
Research Units	305
Cities and Regions Across Local Boundaries A.VAST Area Vasta	
COmmunities REsilience CORE	
Documentation and Management of Small Historical Settlements DM_SHS	
Exploring Landscape Architecture ELA eu.med.	
Florence Accessibility Lab FAL	
Heritage and Euro-Mediterranean Design Dar_Med	
International Group on Urban and Architecture Design INTEGRO_UAD	
Landscape, Cultural Heritage. Project PPcP	
Local and Indigenous Knowledge Systems and Innovation INN-LINK-S	
Projects on Environment, Cities and Territories in the South ProjECTS	
Urban Bioregion Project PROBIUR	
Sustainable Urban Projects & Research SUP&R	
Technology for the Project TxP_R	

Scientific Journals	345
Firenze Architettura	
Contesti	
Territori	
Scienze del Territorio	
Opus Incertum	
Ri-Vista	
DIDA Research Programs	359
A&P - Architecture & Project	363
Architecture & Project	346
AHCV - Architectural Heritage Conservation and Valorisation	485
Architectural and Environmental Survey and Representation	486
Conservation of Architecture and Cultural Heritage	572
History of Architecture and the City	604
Materials and Structures	648
DSI - Design and Sustainable Innovation	697
Design	698
Technologies of Architecture	714
TEL - Territories, Ecosystems and Landscapes	745
Landscape Architecture	746
Urban and Regional Planning and Design	752

Calenzano

Community space

1. RESEARCH AGREEMENT

DIDA|UNIFI

Municipality of Calenzano

"Feasibility studies for the new Primary School in Calenzano"

Scientific Coordinator and Project

Fabio Fabbrizzi

Project Consultant

Andrea Ricci

Technical Consultant

Claudio Piferi

Collaborator

Giacomo Fondelli

2. RESEARCH AGREEMENT

DIDA|UNIFI

Municipality of Calenzano

"Studies of relative feasibilities at a Centre of Multifunctional Services within the Parco of Neto"

Scientific Coordinator and Project

Fabio Fabbrizzi

Technical Consultant

Claudio Piferi

Collaborators

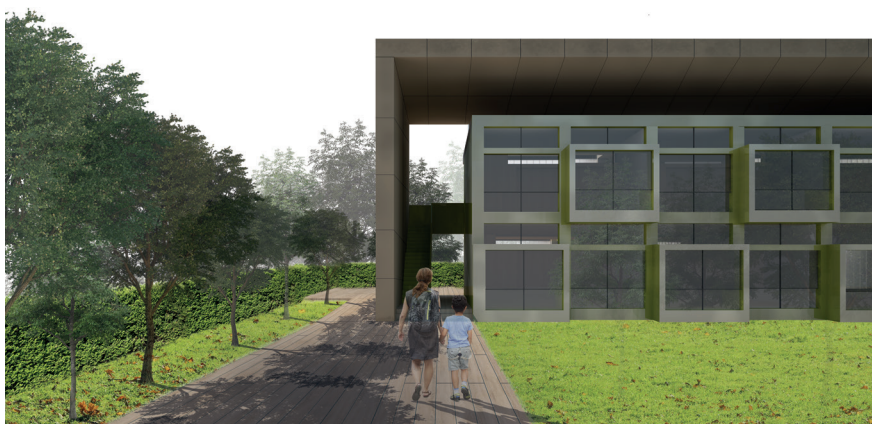
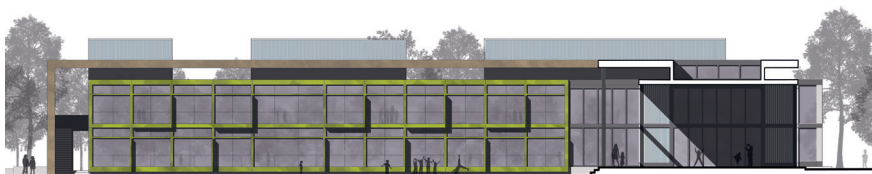
Nico Fedi
Paolo Oliveri

Calenzano is a town with nearly 18,000 residents near the city of Florence and has been the object of a vast process of urban growth in the last decade. The administration has shown, time and again, great care and sensitivity in projects and in the management of the territorial spaces, thus showing a rare attention to the quality of constructed architecture. Upon these assumptions we find a fruitful collaborative rapport with the DIDA that has resulted in two distinct Research Agreements whose themes include investigation, studies and research on two areas destined to the community. They are feasibility studies relative to a Centre of Multifunctional Services inside the Parco del Neto and for the new Primary School for Calenzano.

In both research agreements, work has been approached by appealing to the synergy of specific expertise, assisted by young collaborators involved who are scholarship recipients. This romantic park contains an unexpected and thriving nature nestled between the city and surrounding hill. There is a definite need to give this place an architecture that will serve the various activities which take place there but are only some of the ingredients at the base of the first project course chosen which has led to a series of hypothesis regarding localizations and formalizations. It is from these hypothesis that the possible vision of a sensitive architecture in a natural context has arisen, whose sustainability is tied to different compositional, technological and finished material choices

At the basis of the second project, on the other hand, we find different hypothesis of localization in the territory, whose analysis has resulted in the choice of a plot of land found between a compact built environment yet integrated within a pre-existing school complex. Moreover, there is a need to give the school a multipurpose space that can function as an autonomous place and be independent from the school functions, together with further consideration regarding the themes of passive bioclimatics of the architectonic shape. These elements have led to the start of this project, attained by different formal hypothesis which are all focused on idea of a school as a "children's home", in other words, a place to study, socialize and get to know one another.

1. Feasibility studies for the new Primary School in Calenzano



2. Studies of relative feasibilities at a Centre of Multifunctional Services within the Parco of Neto

